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Product Datasheet

Human MCP4 protein, His tag (active), Unconjugated
GTX00107-PRO

Article Name	Human MCP4 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00107-PRO
Supplier Catalog Number	GTX00107-pro
Alternative Catalog Number	GTX00107-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	6357
UniProt	Q99616
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Phe17~Thr98 (NP_005399.1)

Application Notes	CCL13 (C-C motif chemokine 13) is a chemotactic factor that attracts monocytes, lymphocytes, basophils and eosinophils, which belongs to the CC chemokine subfamily. It has been reported that CCL13 can induce chemotactic migration of THP-1 cells. Therefore, chemotaxis assay used 24-well microchemotaxis system was undertaken to detect the chemotactic effect of CCL13 on the human monocytic cell line THP-1. Briefly, THP-1 cells were seeded into the upper chambers (100 µl cell suspension, 1x106 cells/ml in RPMI-1640 with 0. 5% FBS) and CCL13 (50 ng/ml and 100 ng/ml diluted separately in serum free RPMI-1640) was added in lower chamber with a polycarbonate filter (8µm pore size) used to separate the two compartments. After incubation at 37C with 5% CO2 for 3h, the filter was removed, then cells in low chamber were observed by inverted microscope at low magnification (*100) and the number of migrated cells were counted at high magnification (*400) randomly. CCL13 is able to induce migration of THP-1 cells.